

ANGDA Palmer to Glennallen Spur Line

Construction Cost Estimate

Budget Level Estimate (Level "0")

Description	Cost X 1000	Cost/ft
Summer Construction Costs		
Direct Contractor Construction Costs	\$44,826	\$109
Indirect Contractor Construction Costs	\$21,879	\$52
Sub-total Contractor Construction Costs	\$66,705	
Contractor Markup (20% overhead and profit)	\$13,341	\$32
Total Pipeline Contractor Cost - Summer	\$80,046	
Winter Construction Costs		
Direct Contractor Construction Costs	\$42,191	\$117
Indirect Contractor Construction Costs	\$20,194	\$54
Sub-total Contractor Construction Costs	\$62,385	
Contractor Markup (20% overhead and profit)	\$12,477	\$34
Total Pipeline Contractor Cost - Winter	\$74,862	
Material Costs		
Material (includes freight)	\$126,171	\$162
Total Material Costs	\$126,171	
Miscellaneous Pipeline Construction Costs (not included above)	Unit Cost	
Cathodic system protection (allowance, \$18,000 per mile)	\$18,000	\$2,660 \$3
SCADA and Communications (allowance, \$3.00 per foot)	\$3	\$2,341 \$3
Medical Facility (ambulance, equipment, facility, training) \$125K ea per ANGDA	\$125	\$250
Unload, haul and stockpile pipe & materials, based on pipe weight per cwt @4.30	547,011	\$4,384 \$6
Gravel Royalty @ 0.75 per cyd	418,704	\$628 \$1
Air freight supplies, etc @ \$25.00 per cwt	940	\$50
Open pits, mine and process material, cubic yards at \$9.50 per cubic yd.	200,000	\$3,325 \$3
HDD Stream Crossings (allowance, \$1,075/ft winter (\$950/ft summer), 17-total)	varies	\$14,873
Total Miscellaneous Costs	\$28,511	
Project Indirect Costs	Cost per ft.	
Detailed Engineering	\$19.28	\$15,046 \$19
Surveying	\$3.00	\$2,341 \$3
Permitting	\$3.74	\$2,919 \$4
Quality Control	\$11.61	\$9,060 \$12
Project Management, etc.	\$25.48	\$19,884 \$25
Purchasing and expediting	\$3.74	\$2,919 \$4
Total Project Indirect Costs	\$52,169	
Total Pipeline Costs	\$361,758	